

SEQUENCE LISTING

<110> E.I. duPont de Nemours and Company, Inc.
Cheng, Qiong
Tao, Luan
Sedkova, Natalia

<120> GENES ENCODING CAROTENOID COMPOUNDS

<130> CL2346 US NA

<150> US 60/468,596

<151> 2003-05-07

<150> US 60/527,083

<151> 2003-12-03

<160> 20

<170> PatentIn version 3.2

<210> 1

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Phe His Arg Glu Asp Val Ser Glu Ala Gln Phe Arg Trp Leu Glu Pro
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195 200 205

Leu Asp Ala Ala Gln Ala Arg Arg His Ile Thr Asp Tyr Ala His Gln
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Ala Leu Phe Thr Leu Ala Gly Lys Gln Leu Ser Asp Tyr Val Asp Leu
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Leu Asp Tyr Asp Asn Asn Gln Ala Gln Leu Glu Gln Gln Ile Ala Thr
 Page 8

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Arg Met Phe Thr Pro Phe Asp Phe Arg Asp Thr Leu His Ala His Gln
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Gly Ser Ala Phe Ser Leu Glu Pro Ile Leu Thr Gln Ser Ala Trp Phe
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Arg Pro His Asn Arg Asp Ala Asp Ile Thr Asn Leu Tyr Leu Val Gly
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 Gly Leu Ile Trp Leu Gly Val Asn Gly Val Trp Pro Leu Gln Trp Ile
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Gly Ala Gly Met Thr Thr Tyr Gly Ala Leu Tyr Phe Met Val His Asp
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Gly Leu Val His Gln Arg Trp Pro Phe Arg Tyr Ile Pro Arg Lys Gly
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Tyr Leu Lys Arg Leu Tyr Met Ala His Arg Met His His Ala Val Arg
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Gly Arg Glu Gly Cys Val Ser Phe Gly Phe Leu Tyr Ala Pro Pro Leu
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